

Metropolitan Water District of Southern California Draft Groundwater Assessment Study Report



April 26, 2007



Overview

- Metropolitan Board provided direction for study in October and November 2005
- Collaborative effort with member agencies and groundwater basin managers
- Technical and factual baseline using existing data
- Draft report provided in April 2007 for review and comment
- Final report to be issued by September 2007

Service Area Water Supplies

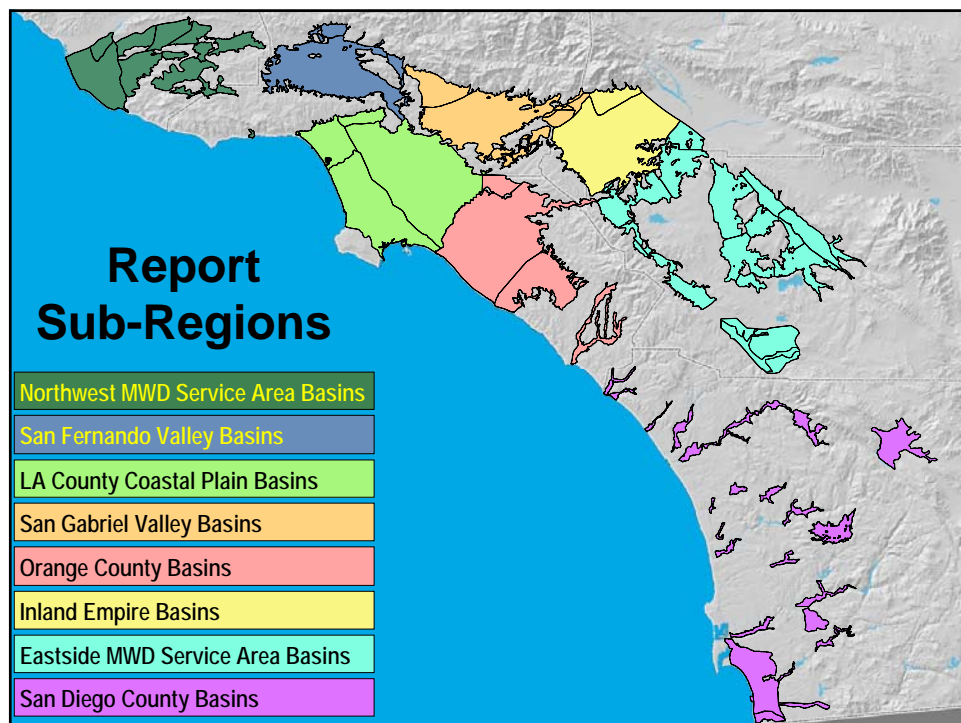
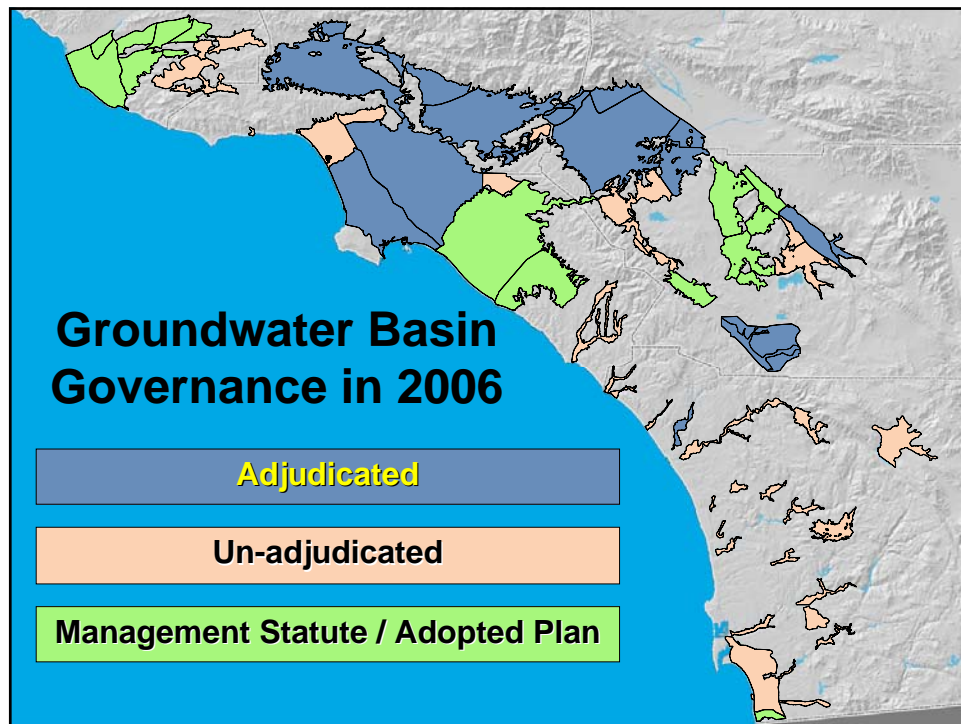
- Four million AF of total average annual retail demand
 - 1.5 million AF of local groundwater production
 - 0.35 million AF of local surface water & Los Angeles Aqueduct
 - 2.2 million AF of imported Metropolitan supplies
- Local groundwater production supplies 37% of the total average annual retail demand in Metropolitan's service area

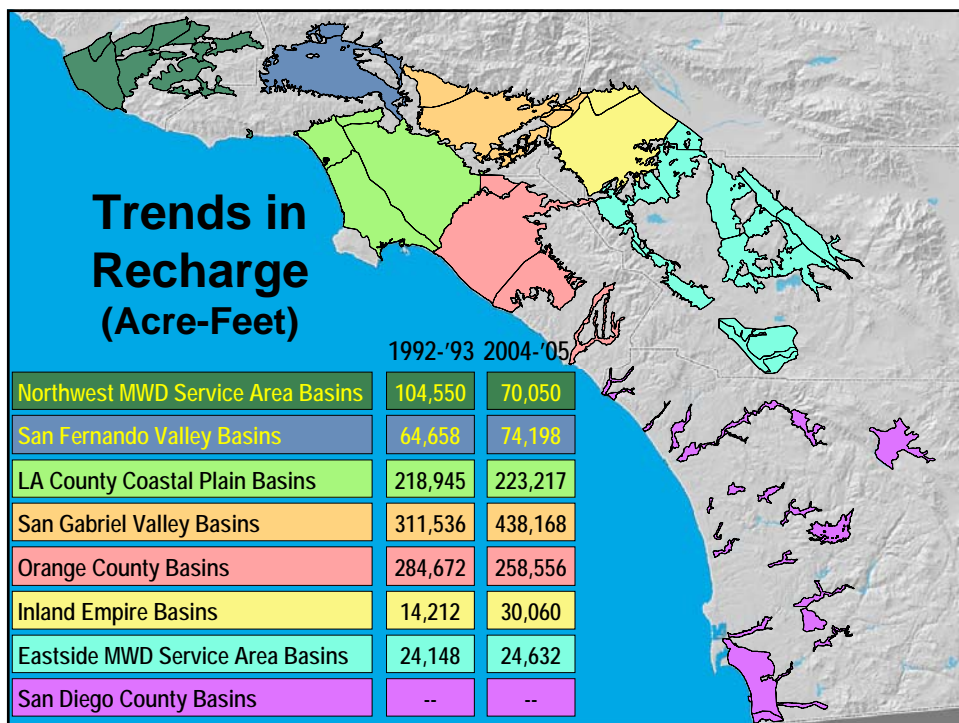
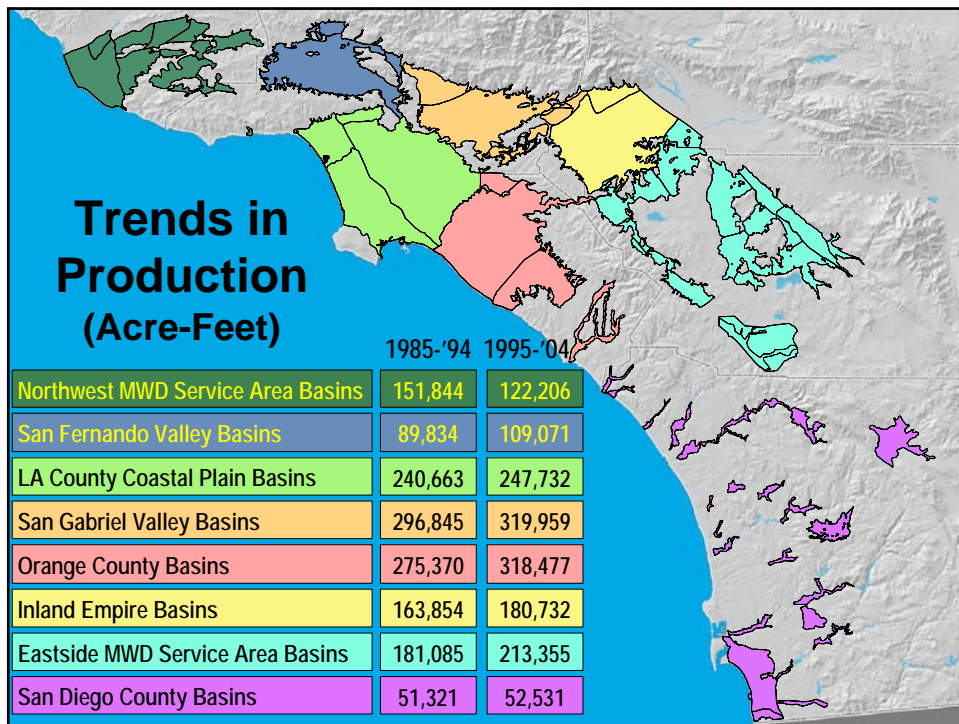
Report Content

- Regional overview and groundwater basin reports
- Physical characteristics of basins, management, facilities and operations
- Regional trends in management, facilities, production, recharge, water levels
- Assessment of storage space available

Regional Overview Findings

- In 2004/05 capital facilities include:
 - More than 4,300 active production wells
 - 36 ASR wells
 - 5,000 acres of spreading basins
 - 7 seawater intrusion barriers
 - 15 desalters
 - 400 acres of water quality wetlands



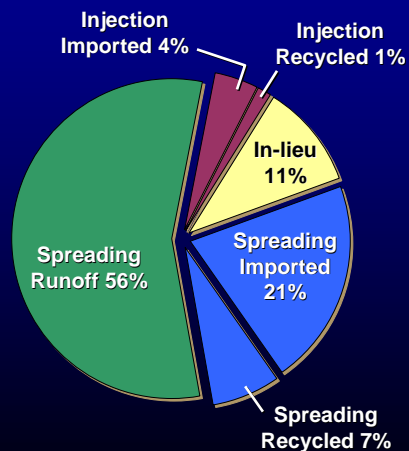


Comparison of Production and Recharge Trends

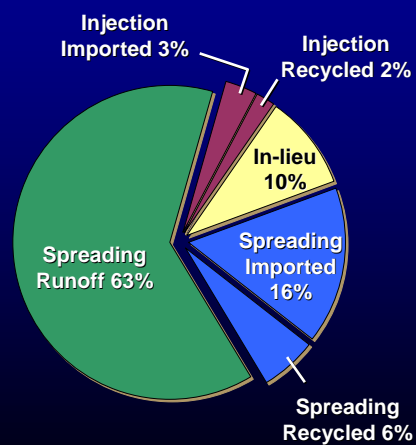
Time period	Average Annual Production (AF)	Average annual recharge (AF)	Production supported by recharge
1985-1994	1,450,817	759,578	52%
1995-2004	1,564,062	741,633	47%

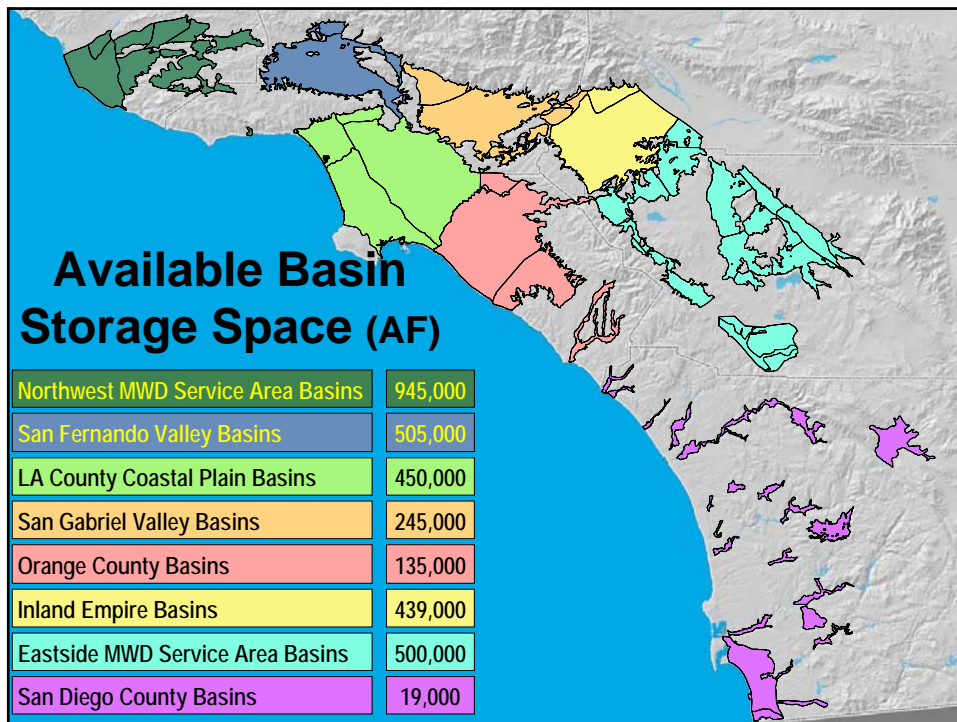
Trends in Recharge Mix

Average 1985/86 to 1994/95



Average 1995/96 to 2004/05





Issues for Storage

- Need for funding
 - Water quality treatment
 - Capital infrastructure
- Mismatch of storage with overlying demand
- Resolution of institutional disagreements
- Regulatory issues
- Integrated forums for elected officials